



## United States Environmental Protection Agency

### Region 9 Laboratory

1337 S. 46th Street Building 201

Richmond, CA 94804

# Revised

**Subject:** Analytical Testing Results - Project R06S36

**SDG:** 06053B

**From:** Brenda Bettencourt, Director

**EPA Region 9 Laboratory**

**PM ID-2**

# Report

**To:** Chris Lichten  
**Site Cleanup Section 4**  
**SFD-7-4**

Attached are the **revised** results from the analysis of samples from the **Omega Chemical OU1 February 2006 Split Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

#### **Analyses included in this report:**

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1,4-Dioxane



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**Region 9 Laboratory**

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Phone:(510) 412-2300 Fax:(510) 412-2302

<b>Project Manager:</b> Chris Lichens <b>Project Number:</b> R06S36 <b>Project:</b> Omega Chemical OU1 February 2006 Split Sampling	<b>Site Cleanup Section 4</b> <b>75 Hawthorne Street</b> <b>San Francisco CA, 94105</b>	<b>SDG:</b> 06053B <b>Reported:</b> 03/23/06 15:50
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**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
OC1-OW8B-W-0-58	0602037-01	Water	02/21/06 07:48	02/22/06 09:30
OC1-OW8A-W-5-59	0602037-02	Water	02/21/06 09:06	02/22/06 09:30
OC1-OW3-W-0-60	0602037-03	Water	02/21/06 13:30	02/22/06 09:30

This is a revised report. This report replaces report 0602037 FINAL 03 21 06 1724. The client sample I.D. for sample 0602037-02 has been corrected from OC1-OW8B-W-0-59 to OC1-OW8A-W-5-59, as per the original chain-of-custody form.



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<b>Project:</b> Omega Chemical OU1 February 2006 Split Sampling	<b>San Francisco CA, 94105</b>	

**Sample Results**

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID: 0602037-01RE1</b>						Water - Sampled: 02/21/06 07:48		
<b>Sample ID: OC1-OW8B-W-0-58</b>						Semivolatile Organic Compounds by EPA Method 8270C		
<b>1,4-Dioxane</b>	<b>ND</b>	<b>U</b>	<b>1.0</b>	ug/L	B6B0119	02/23/06	02/24/06	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	2.97		62 %		18-130%	"	"	"
<b>Lab ID: 0602037-02RE4</b>						Water - Sampled: 02/21/06 09:06		
<b>Sample ID: OC1-OW8A-W-5-59</b>						Semivolatile Organic Compounds by EPA Method 8270C		
<b>1,4-Dioxane</b>	<b>4500</b>		<b>190</b>	ug/L	B6B0117	02/22/06	03/14/06	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	2.50		53 %		18-130%	"	"	"
<b>Lab ID: 0602037-03RE1</b>						Water - Sampled: 02/21/06 13:30		
<b>Sample ID: OC1-OW3-W-0-60</b>						Semivolatile Organic Compounds by EPA Method 8270C		
<b>1,4-Dioxane</b>	<b>3.5</b>		<b>0.9</b>	ug/L	B6B0119	02/23/06	02/24/06	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	2.85		60 %		18-130%	"	"	"



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R9Q

**Quality Control**

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Prepared: 02/22/06 Analyzed: 03/01/06

Semivolatiles Organic Compounds by EPA Method 8270C - Quality Control

**Batch B6B0117 - 3520B CLLE -**

**1,4-Dioxane**

**Blank (B6B0117-BLK1)**

1,4-Dioxane	ND	U	1.0	ug/L						
Surrogate: 1,4-Dioxane-d8	2.91			"	5.00		58	18-130		

**LCS (B6B0117-BS1)**

1,4-Dioxane	10.2		1.0	ug/L	10.0		102	59-130		
Surrogate: 1,4-Dioxane-d8	2.77			"	5.00		55	18-130		

**Matrix Spike (B6B0117-MS2)**

**Source: 0602037-02RE4**

1,4-Dioxane	4340	Q10	190	ug/L	9.46	4550	NR	64-130		
Surrogate: 1,4-Dioxane-d8	3.35			"	4.73		71	18-130		

**Matrix Spike Dup (B6B0117-MSD2)**

**Source: 0602037-02RE4**

1,4-Dioxane	4590	Q10	190	ug/L	9.50	4550	421	64-130	6	20
Surrogate: 1,4-Dioxane-d8	2.66			"	4.75		56	18-130		

Prepared: 02/23/06 Analyzed: 02/24/06

Semivolatiles Organic Compounds by EPA Method 8270C - Quality Control

**Batch B6B0119 - 3520B CLLE -**

**1,4-Dioxane**

**Blank (B6B0119-BLK1)**

1,4-Dioxane	ND	U	1.0	ug/L						
Surrogate: 1,4-Dioxane-d8	3.19			"	5.00		64	18-130		

**LCS (B6B0119-BS1)**

1,4-Dioxane	9.99		1.0	ug/L	10.0		100	59-130		
Surrogate: 1,4-Dioxane-d8	3.72			"	5.00		74	18-130		



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**Qualifiers and Comments**

Q10 The analyte concentration in the unfortified sample is significantly greater than the concentration spiked into the matrix spike and matrix spike duplicate. The reported spike recovery is not a meaningful measure of the dataset's analytical accuracy.

U Not Detected

NR Not Reported